



Twerly Street Light

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Personal Information

Contact Name:	Nikolas Jankovich-Bèsàn
Organisation/Business Name:	Twerly Street Lights (PTY) LTD
Organisation Type:	University spin off
Web Address:	www.twerly.co.za
Location:	Graaff-Reinet, Eastern Cape
Type of Industry:	Renewable Energy
Technical Area:	Renewable Energy
Technology Maturity:	Ready for production
Proof of Concept:	Yes
Intellectual Property:	Yes
Desired Relationship:	Customers, Distribution Partners Investors

Technology Offer Description:

Summary:

TWERLY™ is an off-grid dual wind and solar powered lighting street system which allows substantial electricity cost savings in both rural and urban areas.



Detailed Description:

TWERLY STREET LIGHTS (PTY) Ltd is a new innovative private company established by the Nelson Mandela Metropolitan University (NMMU), for the manufacture, installation and maintenance of TWERLY™, a dual energy harvesting system, generating energy from both solar and wind.

TWERLY™ product benefits include the following:

- It produces significantly lower noise pollution compared to traditional wind energy generators (horizontal axis wind turbines), making it a suitable product for installation in residential areas.
- The design of the TWERLY™ makes it resistant to theft of its components.
- The local manufacture and assembly contributing to skills development and job creation in the Eastern Cape.
- Aesthetic design creating opportunities for co-branding with potential sponsors and selling advertising space.

The TWERLY™ is in the latter stages of development and has undergone final technical validation at NMMU and is ready for production/industrialisation. Production levels for the first year are estimated at 1000 units and expected to increase to 6000 units over five years. The initial market will be in the Eastern Cape, and will later expand to National and International markets. In response to the growing market a maintenance division will be established. TWERLY™ is looking for customers and distributors for its products as well as investors enable production, marketing and distribution of the product. The business has forecasted a profit within its first year of operation.

Team and Related Experience:

Nikolas Jankovich-Bèsàn, Managing Director. Entrepreneur and, founder with full and part ownership in a number of small businesses among them Karoo Spekboom Nursery, Jankovich Honey and Hives and Jankovich Boutique Olives and Olive Oil, Fax solutions. In addition, he has been the Director of Operations for KEPT (Pty) Ltd; a biometrics company start-up company. He has also worked as a Financial Planner in the Asset Management industry for over 20 years and holds various local and international management diplomas.

Michael deLange, Director: Operations. Entrepreneur and co-founder of Mars Technologies with 5 years working experience in the ICT industry. His previous position was that of Divisional Manager: Commercial Services for Mars Technologies (Pty) Ltd since its inception in 2009. Prior to this, he spent 2 years as an accountant at Business Connexion, which at the time was the largest IT Company in South Africa. Michael has an MBA and BCOM accounting from the Nelson Mandela Metropolitan University.

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Additional technical and management expertise:

Additional technical and management expertise will be drawn from the Project Steering Committee (PSC) which was established in February 2013 to guide the development of Twerly™ Company;

- Jaci Barnett–(MD)Innovate PTY Ltd– NMMU Company
- Dr RussellPhillips–TWERLY™ InventorandSeniorlecturer
- Etienne Phillips–TWERLY™ Technical Project engineer
- RiaanOpperman–TWERLY™ Design&Technical Project
- Ann Chetty–TWERLY™ Project Coordinator and facilitator

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Candidates are assured that by submitting their concept/technology, they retain ownership of all their IP rights and that the ELIDZ and its partners will by no means have claims over any technology presented.